

A NEW SPECIES OF THE GENUS ASEMONEA FROM CHINA (ARANEAE, SALTICIDAE)

TANG Guo, YIN Chang-Min, PENG Xian-Jin*

College of Life Sciences, Hunan Normal University, Changsha 410081, China

Abstract This paper describes a new species: *Asemonea trispila* of the spider genus *Asemonea* from Hunan Province, China. Descriptions of taxonomic characters are given and differences from related species are discussed. Figures of body parts and genital organs are illustrated.

Key words Araneae, Salticidae, *Asemonea*, new species.

The salticid genus *Asemonea* includes 20 species. It is a tropical genus which ranges from Africa to Thailand, Malaysia and China. Spiders in this genus are longish and tend to be mostly translucent, green or yellow in color (Proszynski, 1984). Up to now, only one species *A. sichuanensis* has been reported from China. Here reported is the second representative *Asemonea trispila* sp. nov. identified from the specimens collected from Mt. Huping, Hunan Province. Type specimens are deposited at the College of Life Sciences, Hunan Normal University. All measurements given are in millimeter.

Abbreviations used: AL= abdomen length, AW= abdomen width, AME= anterior median eye, ALE= anterior lateral eye, CL= carapace length, CLYH= clypeus height, CW= carapace width, L= length, PME= posterior median eye, PLE= posterior lateral eye, TL= total length.

Asemonea trispila **sp. nov.** (Figs. 1-3)

Type material. Holotype ♀, 4 July 2003, Nanping Village, Mt. Huping (29° 59' - 30° 08' N, 111° 29' - 110° 59' E), Shimen County, Hunan Province, leg. CHEN Yuan.

Measurements. ♀ (holotype), TL 3.10. CL 1.30, CW 0.80; AL 1.80, AW 0.95. AME width 0.75, PME width 0.50, AME 0.28, ALE 0.11, PLE 0.15, CLYH 0.20. Leg measurements are shown as following: total length (femur + (Patella + tibia) + metatarsus + tarsus). I 4.10 (1.20, 1.50, 1.00, 0.40), II 3.30 (1.00, 1.20, 0.70, 0.40), III 3.40 (1.00, 1.10, 0.80, 0.50), IV 3.70 (1.00,

1.20, 1.10, 0.40), leg formula: I, IV, III, II.

Description. Female. Carapace yellowish with 2 longitudinal black spots. 8 eyes base all bear sparse, long, white hair. The base of the ALE, PME, PLE all with black patches. Fovea brown, stick shaped. Sternum ovoid, whitish yellow without hair. Chelicera yellow, with 3 promarginal and 6 retromarginal teeth. Endites, labium yellow, width of labium longer than length. Legs yellow with a darkish spot on the retrolateral side of the tibia. Femurs of legs I, II with a line of 9 small dorsal spines. Tibia and metatarsus of legs I, II bear 4 pairs of stout ventral spines. Abdomen long ovoid, dorsum yellowish with distinct black spots, 3 black spots on back half of dorsum. The venter yellow without spots. Spinnerets yellow. Epigynum slightly darker in color, translucent with a triangular atrium edge in center area. Vulva: spermatheca plump, strongly sclerotized, copulatory duct invisible.

Male. Unknown.

Diagnosis. This new species is similar to *Asemonea tanikawai* Ikeda, 1996, but differs in: 1) the dorsum pattern of this species larger, distinct and symmetrical, 3 black spots on back half of dorsum; 2) the spermathecae of this new species much plump; copulatory duct invisible.

Etymology. The specific name refers to three black spots on the back half of dorsum.

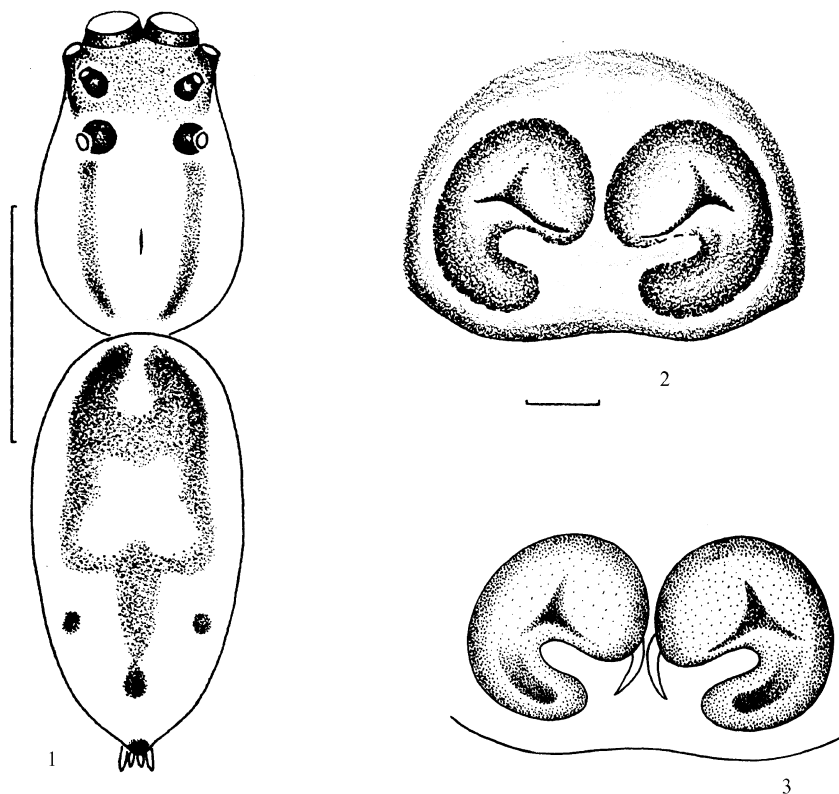
Distribution. China (Hunan Province).

Acknowledgement Thanks should be given to Miss CHEN Yuan who collected the type specimens.

This study was supported by the National Natural Sciences Foundation of China (NSFG 30050002, 30499341), by the Natural Science Foundation of the Education Department of Hunan Province, and by the Natural Science Foundation of Science and Technology Department of Hunan Province.

* Corresponding author, E-mail: xjpeng@263.net

Received 7 Nov. 2005, accepted 20 Apr. 2006.



Figs. 1-3. *Asemonea trispila* sp. nov. 1. Body (♀). 2. Epigynum. 3. Vulva. Scale bars: 1 = 1.0 mm; 2-3 = 0.1 mm.

REFERENCES

- Ikeda, H. 1996. A new species of the genus *Asemonea* (Araneae: Salticidae) from Japan. *Acta Arachnologica*, 45 (2): 113-117, figs 1-11.
- Peng, X. J. and Li, S. Q. 2002. Two jumping spiders from Guangxi, China (Araneae: Salticidae). *Acta Zootaxon. Sin.*, 27 (3): 469-473.
- Prószyński, J. 1984. Atlas Rysunków Diagnostycznych Mniej Znanych Salticidae (Araneae). Wyzsza Szkoła Rolniczo-Pedagogiczna, Siedlce. 2: 3.
- Song, D. X. and Chai, J. Y. 1992. On new species of jumping spiders (Araneae: Salticidae) from Wuling Mountains area, southwestern China. *J. Xinjiang Univ.*, 9 (3): 76-86.
- Szuts, T. 2000. An Afrotropical species, *Asemonea stella* (Araneae:

- Salticidae) found in Australia. *Folia Entomologica Hungarica*, Budapest. LXI: 61-63, figs 1-6.
- Tang, G., Yin, G. M. and Peng, X. J. 2004. Description of the genus *Smodicnoides* from China (Araneae, Thomisidae). *Acta Zootaxon. Sin.* 29: 260-262.
- Tang, G., Yin, G. M. and Peng, X. J. 2005. Two new species of the genus *Theridion* from Hunan Province, China (Araneae, Theridiidae). *Acta Zootaxon. Sin.* 30: 524-526.
- Wanless, F. R. 1980. A revision of the spider genera *Asemonea* and *Pandisus* (Araneae: Salticidae). *Bull. Brit. Mus. nat. Hist. (Zool.)*, 39 (4): 237-238, f. 16a-f, 28.
- Zhang, J. X., Chen, H. M. and Kim, J. P. 2004. New discovery of the female *Asemonea sichanensis* [sic] (Araneae, Salticidae) from China. *Korean Arachnol.*, 20: 7-11.

中国暗跳蛛属一新种记述 (蜘蛛目, 跳蛛科)

唐 果 尹长民 彭贤锦

湖南师范大学生命科学学院 长沙 410081

摘 要 记述了采自中国湖南省石门县壶瓶山国家自然保护区境内的跳蛛科 Salticidae 暗跳蛛属 *Asemonea* 1 新种: 三点暗跳蛛 *Asemonea trispila* sp. nov., 新种与谷川暗跳蛛 *Asemonea tanikawai* Ikeda, 1996 较为近似, 但有以下几点不

关键词 蜘蛛目, 跳蛛科, 暗跳蛛属, 新种.

中图分类号 Q959.226

同: 1) 腹背斑纹不同, 本种斑纹大而对称, 腹背部有 3 个黑点斑, 十分显目; 2) 本种纳精囊粗, 交媾管未能见及。本种因其腹背部有 3 个黑色点状斑纹而得名。模式标本保存于湖南师范大学生命科学学院。